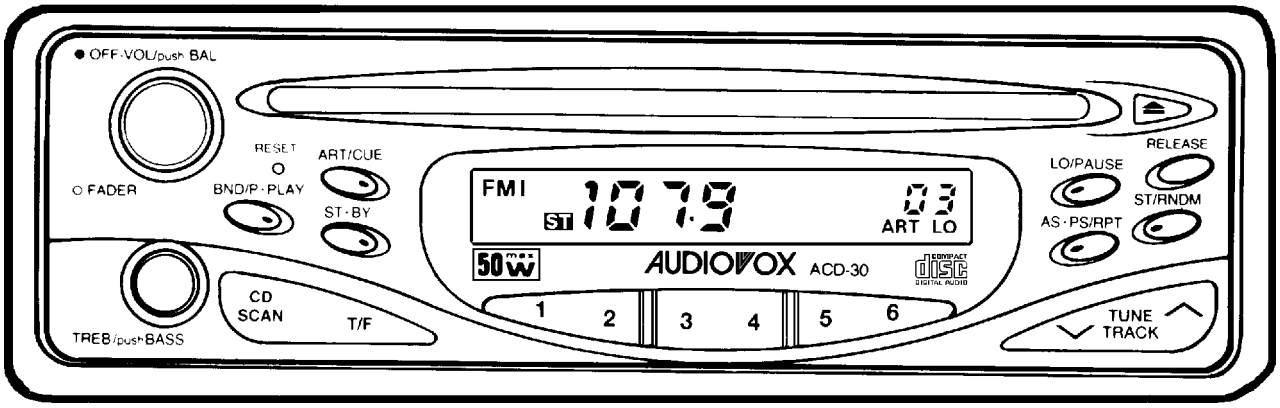
AUDIOVOX®
OWNER'S MANUAL AND INSTALLATION GUIDE



ACD-30

DETACHABLE FRONT PANEL ELECTRONICALLY-TUNED AM/FM MPX RADIO WITH PROGRAMMABLE CD PLAYER AND QUARTZ CLOCK

COMPACT disc DIGITAL AUDIO

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Toll-Free Assistance

The installation and wiring connections for this unit are so simple, we doubt you'll need our help, but, if you do, we're here to help you. Just call our toll-free telephone assistance line at **(800) 645-7102** during days/hours shown.

	TIME ZONE			
DAY	**PACIFIC**	**MOUNTAIN**	**CENTRAL**	**EASTERN**
MON.-FRI.	5:30AM - 4PM	6:30AM - 5PM	7:30AM - 6PM	8:30AM - 7PM
SATURDAY	6AM - 2PM	7AM - 3PM	8AM - 4PM	9AM - 5PM

HELP!

1-800-645-7102

Monday-Friday 8:30am-7:00pm Eastern
Saturday 9:00am-5:00pm Eastern

HOW TO USE THIS MANUAL

1. Identify the make and year of the car in which you will be installing this sound system.
2. Refer to the Kit Listing and Kit Information sections on page 2 to determine if a kit is required.
3. If a kit is required, follow the directions in Kit Information section.
4. Follow the specific installation instructions for your particular make of car as listed in the index.

KIT INFORMATION

1. The years shown in the Kit Listing below are approximate. Always check the application chart at your retail store to find information on your specific make, model and year of vehicle. If a kit is required, read the description on the kit you intend to purchase to make sure it applies to your vehicle. If you have any doubts or questions, call our toll-free "HELP" line.
2. The kits shown below are Audiovox kits. Your retailer may sell kits made by other manufacturers which may also be usable to install this radio. Always check the kit application before purchasing it to make sure it will work with your vehicle.
3. If you believe you need a kit but cannot find a retail store where it is available, call our toll-free "HELP" line.

KIT LISTING

VEHICLE TYPE	KIT REQUIREMENT/NOTES
Chevrolet-Oldsmobile-Buick-Pontiac-Cadillac-Saturn	
1981 and Older	Installation Not Possible
1982 and Newer	AX-93-FCGM
Chevrolet-GMC Full Size Vans	
1988 and Newer	AX-88-CHV
Chevrolet-GMC Full Size Pickups	
1988 and Newer	AX-88-CHT
Chrysler-Dodge-Plymouth	
U.S. Built 1974 and Newer	AX-93-FCGM
Imported	Refer to In-Store Chart
Ford-Lincoln-Mercury	
1984 and Older	Installation Not Possible
1985 and Newer	AX-93-FCGM
Jeep-Eagle	
1984 and Newer	Filing of Dash Required

IMPORT CARS

Due to the wide variety of import cars and the different installations required, this manual does not show typical installations in these vehicles. However, this sound system can be installed in many import cars by following the "Universal Installation" section on pages 3 and 4. Check the application chart at your retail store or call our toll-free "HELP" line for specific information on your particular car.

IMPORTS:

Acura-Audi-BMW-Daihatsu-Fiat-Honda-Hyundai Mercedes-Peugeot-Porsche-Saab-Subaru Volkswagen-Volvo-Yugo	Will Fit Most Years; Some Require Filing of Dash
Datsun-Nissan	Refer to In-Store Chart
Mazda	Professional Installation Recommended
Toyota	Professional Installation Recommended

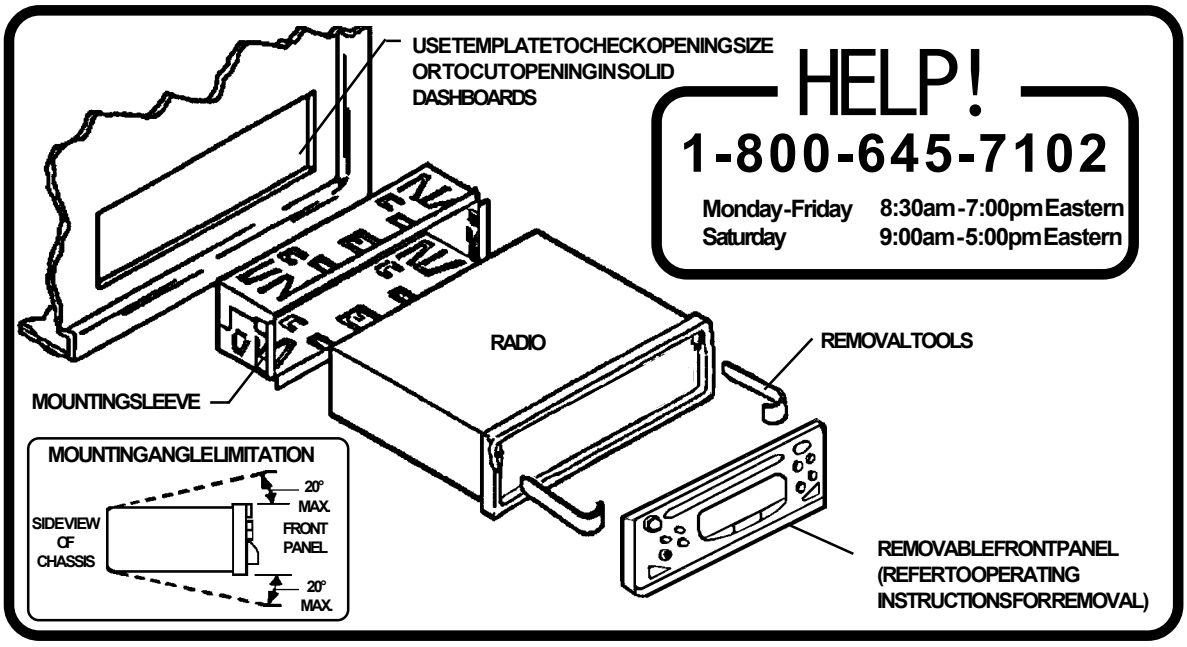
For vehicles not listed or more specific information, refer to the in-store application chart or call our "HELP" line.

UNIVERSAL INSTALLATION AND IMPORT CAR INSTALLATION

This installation is designed for cars, trucks, vans, and boats that have an existing radio opening that is no larger than the size shown on the template provided (182mm wide x 53mm high). If the opening is smaller than required, you can use a file to enlarge it to match the template, using the slots on the template as a guide. If you have no existing radio opening, use the template to accurately cut the required size as per the **slots** on the template.

CAUTION: 1. DO NOT CUT OR FILE THE OPENING TO THE OUTER EDGES OF THE TEMPLATE!
2. FOR PROPER OPERATION OF THE CD PLAYER, THE CHASSIS MUST BE WITHIN 20° OF HORIZONTAL. MAKE SURE THE UNIT IS MOUNTED WITHIN THIS LIMITATION.

1. Inspect the Existing Radio Opening:
   A. Use the radio opening template (supplied) to make sure the dashboard opening is the proper size. If your vehicle does not have an existing opening of this size, it will be necessary to cut or file the opening to these dimensions.
   B. Check that there will be sufficient space behind the dashboard for the radio chassis.
2. Prepare the Radio for installation:
   A. Carefully check the radio chassis for any shipping screws that are labeled "Remove Before Installation" and remove them as necessary.
   B. Remove the detachable front panel if it is attached to the chassis, as explained in the Operating Instructions section of this manual.
   C. Using the 2 removal tools (supplied), remove the mounting sleeve from the radio chassis as shown in the diagram below.
3. Mounting the Radio Sleeve:
   A. Check the dashboard opening size by sliding the mounting sleeve into it. If the opening is not large enough, carefully cut or file as necessary until the sleeve easily slides into the opening. Do not force the sleeve into the opening or cause it to bend or bow.
   B. Locate the series of bend tabs along the top, bottom, and sides of the mounting sleeve. With the sleeve fully inserted in the dashboard opening, bend as many of the tabs outward as necessary so that the sleeve is firmly secured to the dashboard.



UNIVERSAL INSTALLATION AND IMPORT CAR INSTALLATION

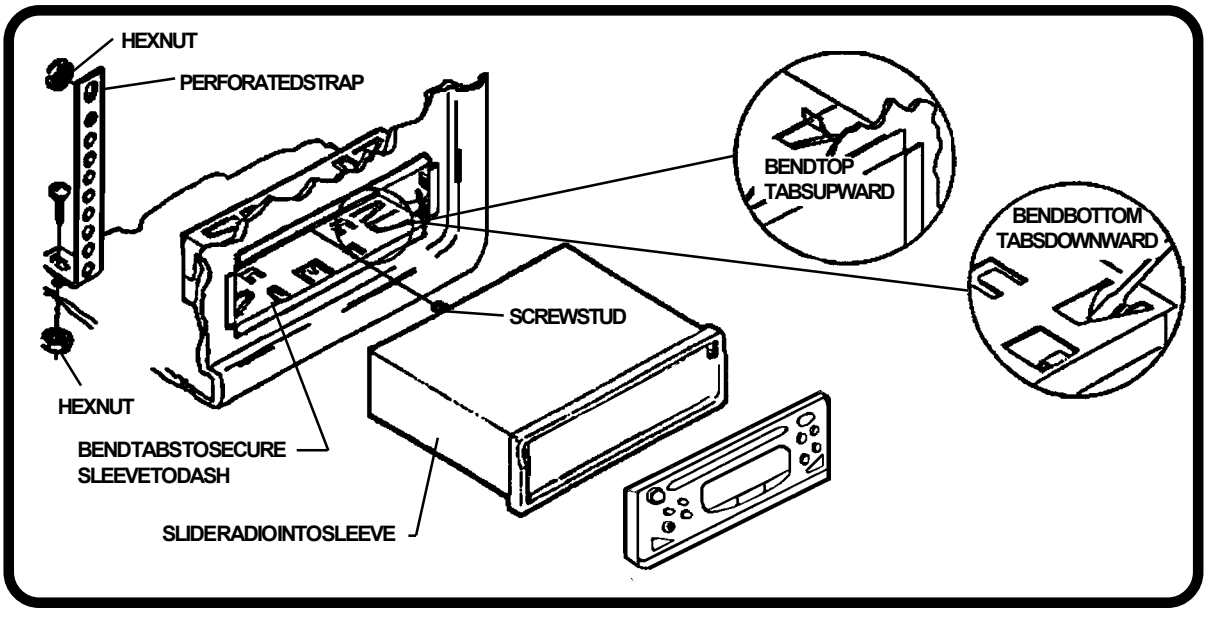
4. Wire the Radio to the Vehicle's Wiring:
   A. Place radio in front of dashboard opening so that wiring can be brought through the mounting sleeve.
   B. Carefully follow the diagrams on pages 8 and 9 to wire the radio, making certain all connections are secure and insulated with wire nuts or electrical tape to insure proper operation of the unit.
   C. After completing the wiring, re-attach the front panel to the chassis and turn the unit on to confirm operation (ignition switch must be "on"). If unit does not operate, re-check all wiring until problem is corrected.
   D. Once proper operation is achieved, turn off ignition switch, remove front panel, and proceed with final mounting of the radio.

5. Installing the Radio in the Mounting Sleeve:
   A. Carefully slide the radio into the mounting sleeve until it is fully seated and the side spring clips snap in place.
   B. Attach one end of the perforated strap (supplied) to the screw stud on the rear of the radio using the hex nut provided.
   C. Fasten the other end of the perforated strap to a secure part of the dashboard either above or below the radio using the screw and hex nut provided.

CAUTION: The rear of the radio must be supported with the strap to prevent possible damage to the dashboard from the weight of the radio or improper operation of the radio due to vibration.

   D. Re-attach the front panel to the chassis and check operation of the unit by referring to the Operating Instructions section of this manual.

6. Removing the Radio:
   A. Should it be necessary to remove the radio for servicing or other reasons, first remove the detachable front panel.
   B. Remove the rear support strap by taking off the hex nut securing it to the screw stud on the rear of the chassis.
   C. Use the 2 removal tools (supplied) to disengage the side spring clips and pull the radio out of the mounting sleeve.



CHRYSLER-DODGE-PLYMOUTH INSTALLATION

All U.S. Made Cars, Trucks, and Vans Built Since 1974

Important-This radio cannot be installed in any U.S. made Chrysler, Dodge, or Plymouth without an installation kit. Refer to Kit Listings on page 2 for the required kit. Complete kit installation is explained in the instructions included with the kit.

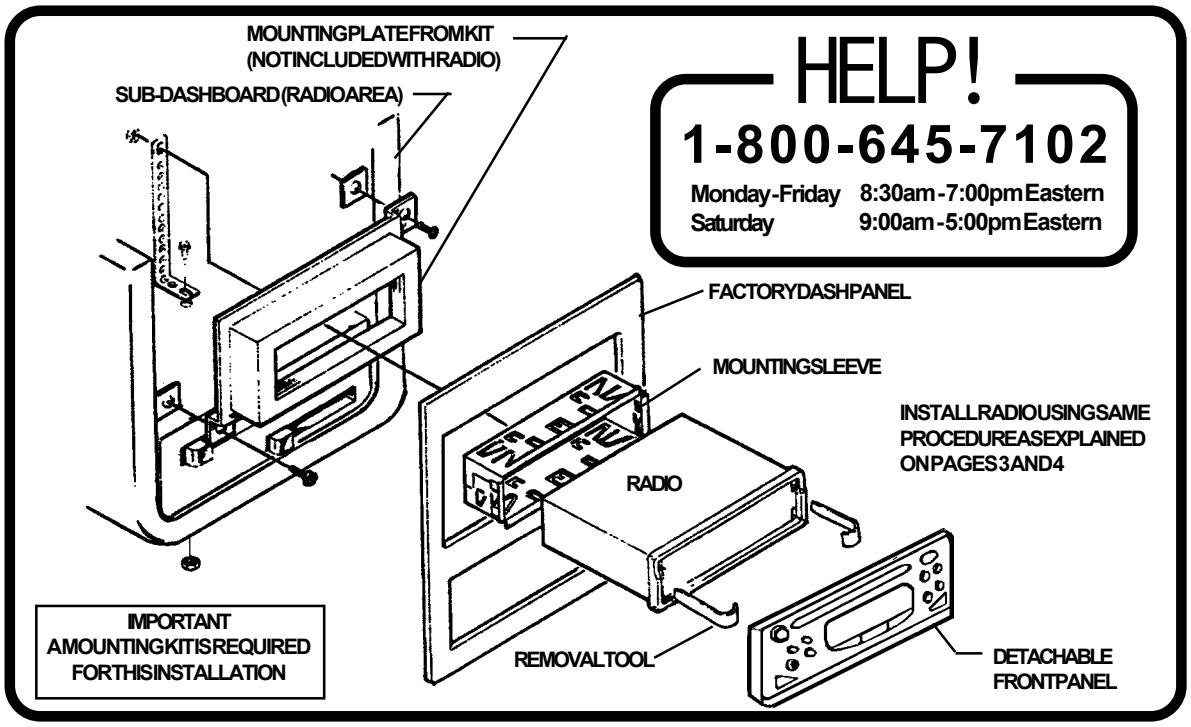
CAUTION: 1. DO NOT CUT OR FILE THE OPENING TO THE OUTER EDGES OF THE TEMPLATE!
2. FOR PROPER OPERATION OF THE CD PLAYER, THE CHASSIS MUST BE WITHIN 20° OF HORIZONTAL. MAKE SURE THE UNIT IS MOUNTED WITHIN THIS LIMITATION.

1. Remove Existing Radio:

A. Remove existing radio dash trim panel surrounding the radio opening. This panel is usually secured by screws and/or snap-in clips.
B. Remove the two large screws used to secure radio to the sub-dashboard.
Helpful Hint: If you do not have an existing radio, you will find the radio opening is covered by a disposable cover plate.
C. Pull the radio forward to access the wiring and antenna cables plugged into the rear of the chassis.
D. Un-plug the wiring harness(es) and antenna cable and remove the radio.

2. Install the New Radio:

A. Following the instructions included with the installation kit, secure the sleeve from the radio to the mounting plate from the kit as explained on page 3.
B. Install the sleeve/mounting plate assembly to the sub-dashboard as per the instructions with the installation kit.
C. Replace the dashboard trimpanel.
D. Following the instructions of steps 4 and 5 on page 4, carefully wire the radio and complete installation into the mounting sleeve.



CHEVROLET-OLDSMOBILE-BUICK-PONTIAC-GMC-CADILLAC-SATURN INSTALLATION
All U.S. Made Cars, Trucks, and Vans Built Since 1982

Important-This radio cannot be installed in any "GM" vehicle without an installation kit. Refer to Kit Listings on page 2 for the required kit. Complete kit installation is explained in the instructions included with kit. This radio cannot be installed in GM vehicles built before 1982.

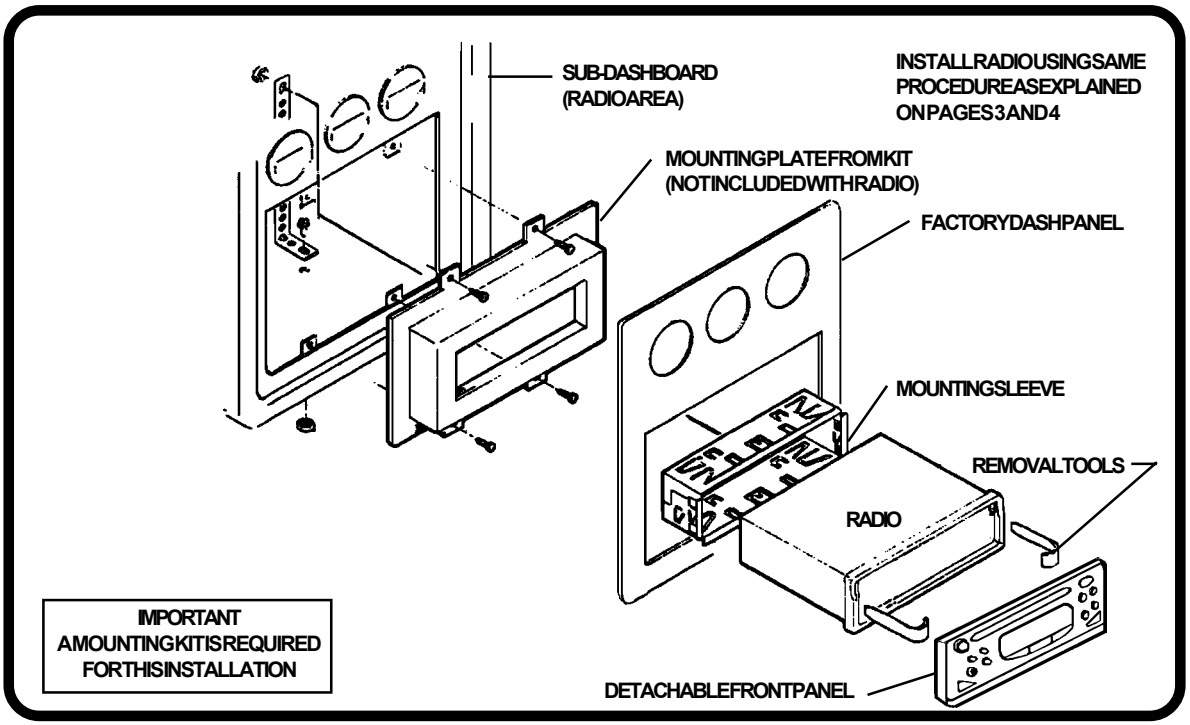
CAUTION: 1. DO NOT CUT OR FILE THE OPENING TO THE OUTER EDGES OF THE TEMPLATE!
2. FOR PROPER OPERATION OF THE CD PLAYER, THE CHASSIS MUST BE WITHIN 20° OF HORIZONTAL. MAKE SURE THE UNIT IS MOUNTED WITHIN THIS LIMITATION.

1. Remove Existing Radio:

A. Remove existing radio dash trim panel surrounding the radio opening. This panel is usually secured by screws and/or snap-in clips.
B. Remove the screws used to secure radio to the sub-dashboard.
Helpful Hint: If you do not have an existing radio, you will find the radio opening is covered by a disposable cover plate.
C. Pull the radio forward to access the wiring and antenna cables plugged into the rear of the chassis.
D. Un-plug the wiring harness(es) and antenna cable and remove the radio.

2. Install the New Radio:

A. Following the instructions included with the installation kit, secure the sleeve from the radio to the mounting plate from the kit as explained on page 3.
B. Install the sleeve/mounting plate assembly to the sub-dashboard as per the instructions with the installation kit.
C. Replace the dashboard trimpanel.
D. Following the instructions of steps 4 and 5 on page 4, carefully wire the radio and complete installation into the mounting sleeve.



FORD-LINCOLN-MERCURY INSTALLATION

All U.S. Made Cars, Trucks, and Vans Built Since 1985

Important-Measure the size of your existing radio opening. If it is no larger than the size shown on the template provided, you can install the radio as explained on page 3 and 4. If the opening is larger, you must use a kit. See Kit Listing on page 2. This radio cannot be installed in Ford cars built prior to 1985.

CAUTION: 1. DO NOT CUT OR FILE THE OPENING TO THE OUTER EDGES OF THE TEMPLATE!

2. FOR PROPER OPERATION OF THE CD PLAYER, THE CHASSIS MUST BE WITHIN 20° OF HORIZONTAL. MAKE SURE THE UNIT IS MOUNTED WITHIN THIS LIMITATION.

1. Remove Existing Radio:

A. Remove existing radio dash trim panel surrounding the radio opening. This panel is usually secured by screws and/or snap-in clips.

B. Remove the screws used to secure radio to the sub-dashboard.
Helpful Hint: If you do not have an existing radio, you will find the radio opening is covered by a disposable cover plate.

C. Pull the radio forward to access the wiring and antenna cables plugged into the rear of the chassis.

D. Un-plug the wiring harness(es) and antenna cable and remove the radio.

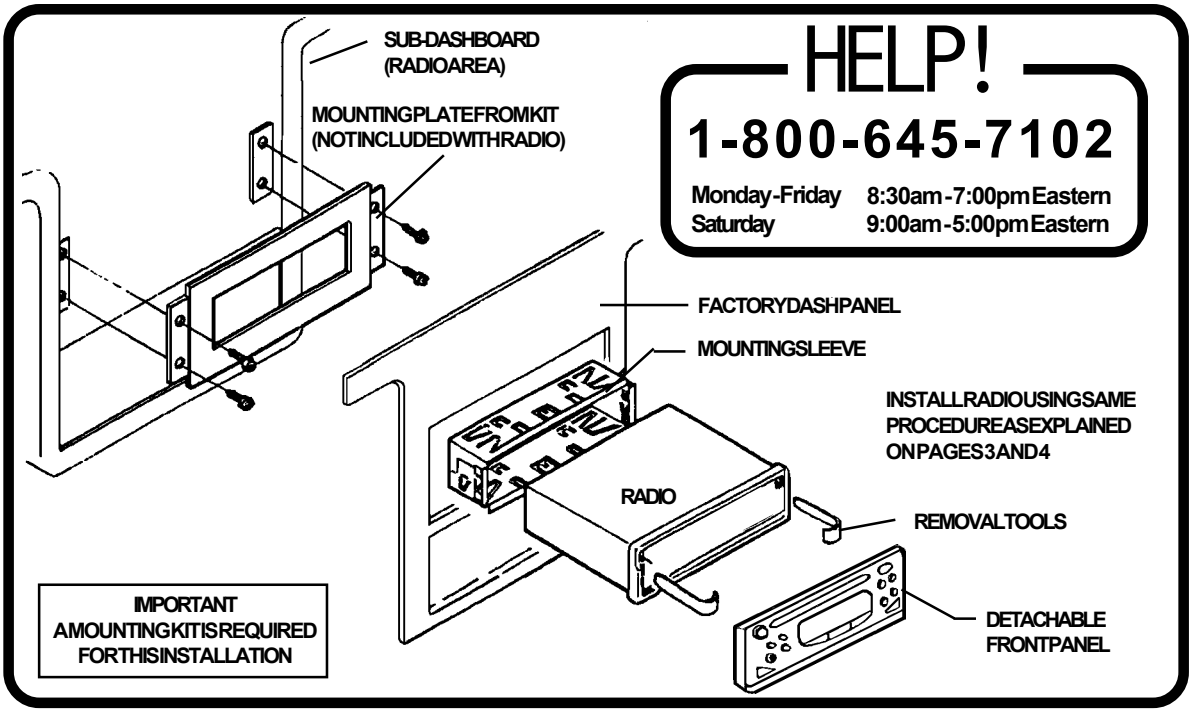
2. Install the New Radio:

A. If a kit is not required, follow the instructions on pages 3 and 4. If a kit is required, follow the instructions included with the kit and secure the sleeve from the radio to the mounting plate from the kit as explained on page 3.

B. Install the sleeve/mounting plate assembly to the sub-dashboard as per the instructions with the installation kit.

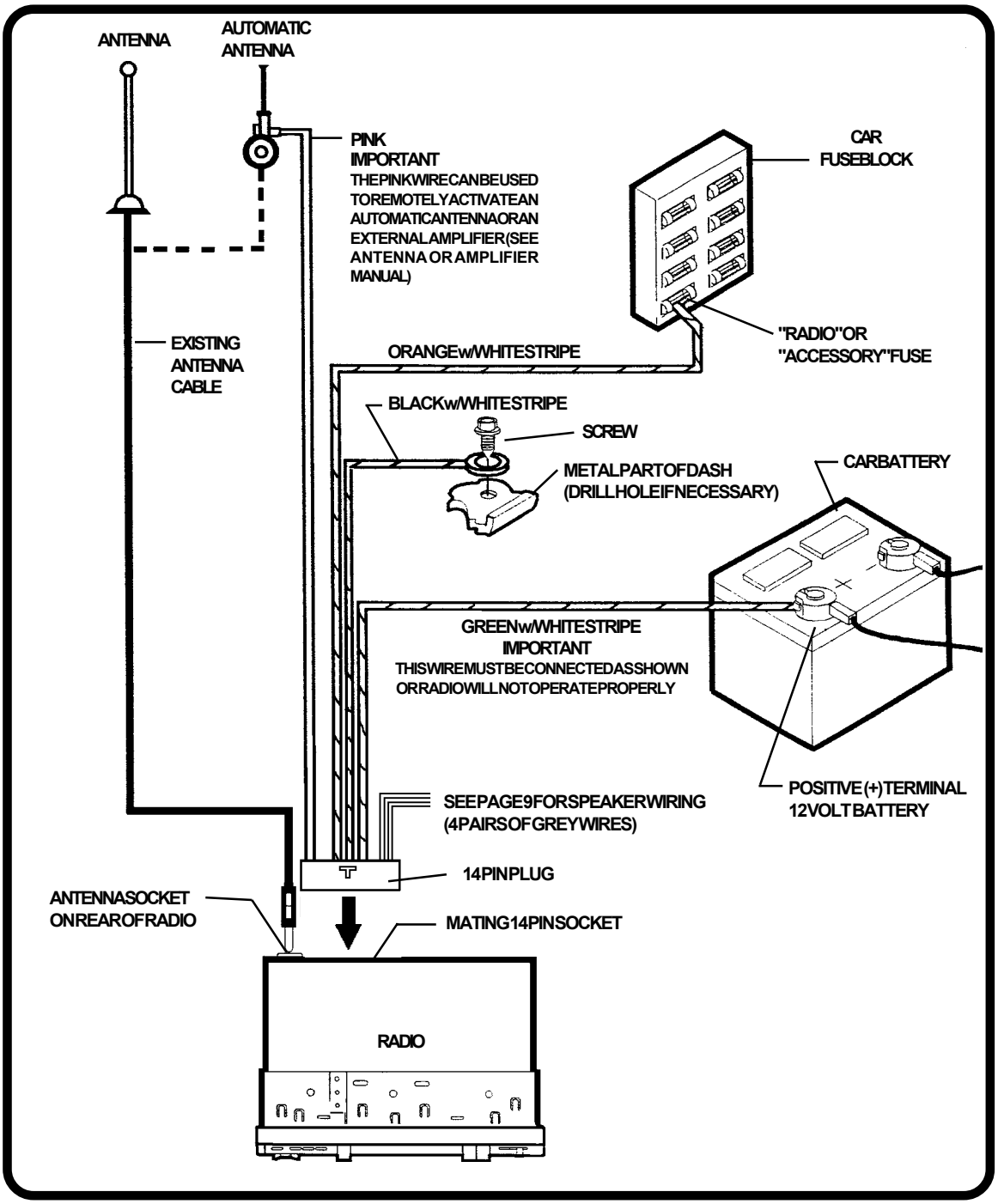
C. Replace the dashboard trimpanel.

D. Following the instructions of steps 4 and 5 on page 4, carefully wire the radio and complete installation into the mounting sleeve.



RADIO WIRING

REFER TO PAGE 9 FOR SPEAKER WIRING

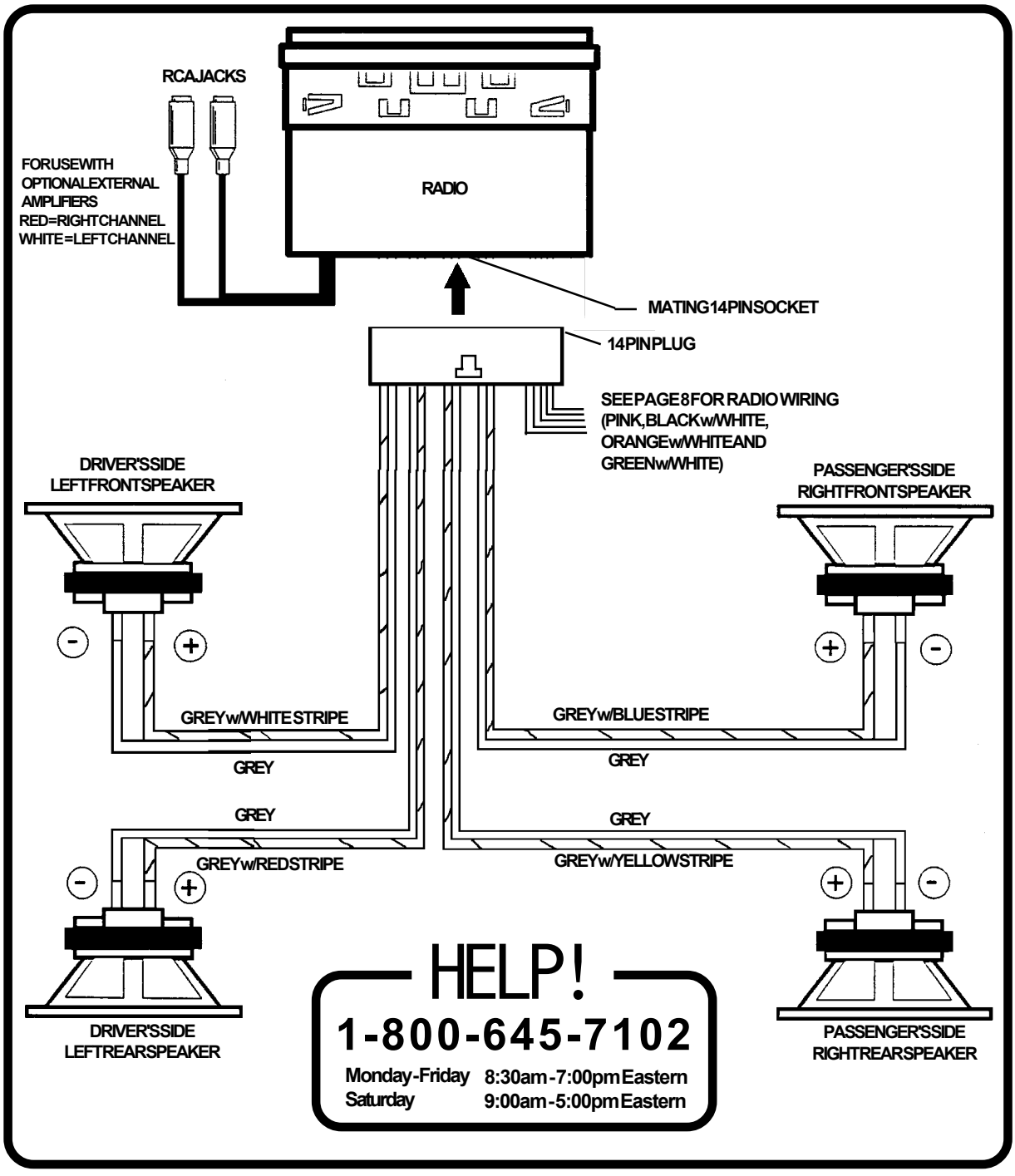

ANTENNA
AUTOMATIC ANTENNA
PINK
IMPORTANT
THE PINK WIRE CAN BE USED TO REMOTELY ACTIVATE AN AUTOMATIC ANTENNA OR AN EXTERNAL AMPLIFIER (SEE ANTENNA OR AMPLIFIER MANUAL)
CAR FUSE BLOCK
EXISTING ANTENNA CABLE
ORANGE w/WHITE STRIPE
"RADIO" OR "ACCESSORY" FUSE
BLACK w/WHITE STRIPE
SCREW
METAL PART OF DASH (DRILL HOLE IF NECESSARY)
CAR BATTERY
GREEN w/WHITE STRIPE
IMPORTANT
THIS WIRE MUST BE CONNECTED AS SHOWN OR RADIO WILL NOT OPERATE PROPERLY
SEE PAGE 9 FOR SPEAKER WIRING (4 PAIRS OF GREY WIRES)
POSITIVE (+) TERMINAL 12 VOLT BATTERY
14 PIN PLUG
ANTENNA SOCKET ON REAR OF RADIO
MATING 14 PIN SOCKET
RADIO

SPEAKER WIRING - 4 SPEAKER SYSTEMS

REFER TO PAGE 8
FOR RADIO WIRING

WARNING!

NEVER GROUND NEGATIVE SPEAKER LEADS TO CHASSIS GROUND.
FAILURE TO WIRE EXACTLY AS SHOWN BELOW WILL CAUSE ELECTRICAL DAMAGE TO THE RADIO.



HELP!

1-800-645-7102

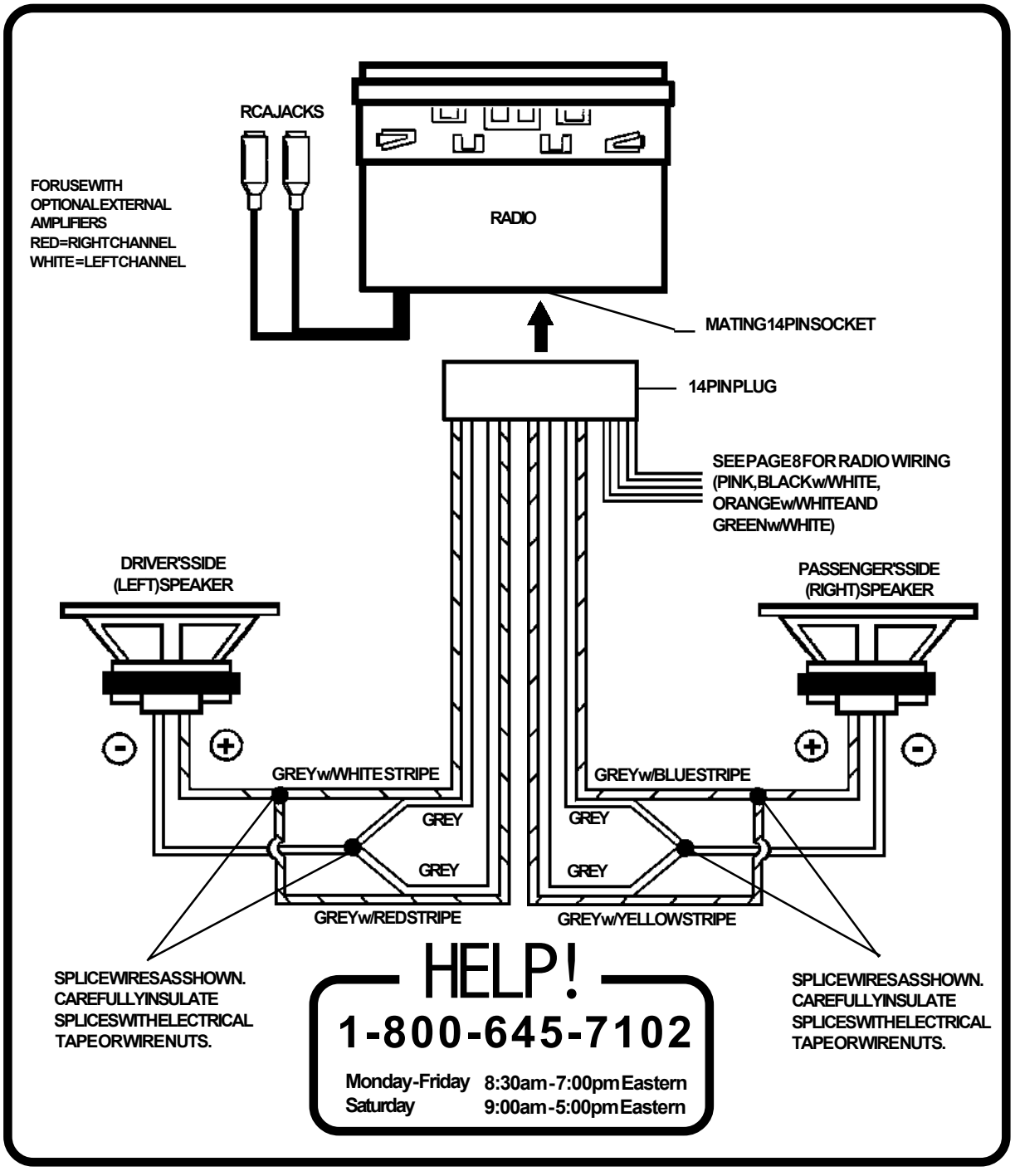
Monday-Friday 8:30am-7:00pm Eastern
Saturday 9:00am-5:00pm Eastern

SPEAKER WIRING - 2 SPEAKER SYSTEMS

REFER TO PAGE 8
FOR RADIO WIRING

WARNING!

NEVER GROUND NEGATIVE SPEAKER LEADS TO CHASSIS GROUND.
FAILURE TO WIRE EXACTLY AS SHOWN BELOW WILL CAUSE ELECTRICAL DAMAGE TO THE RADIO.

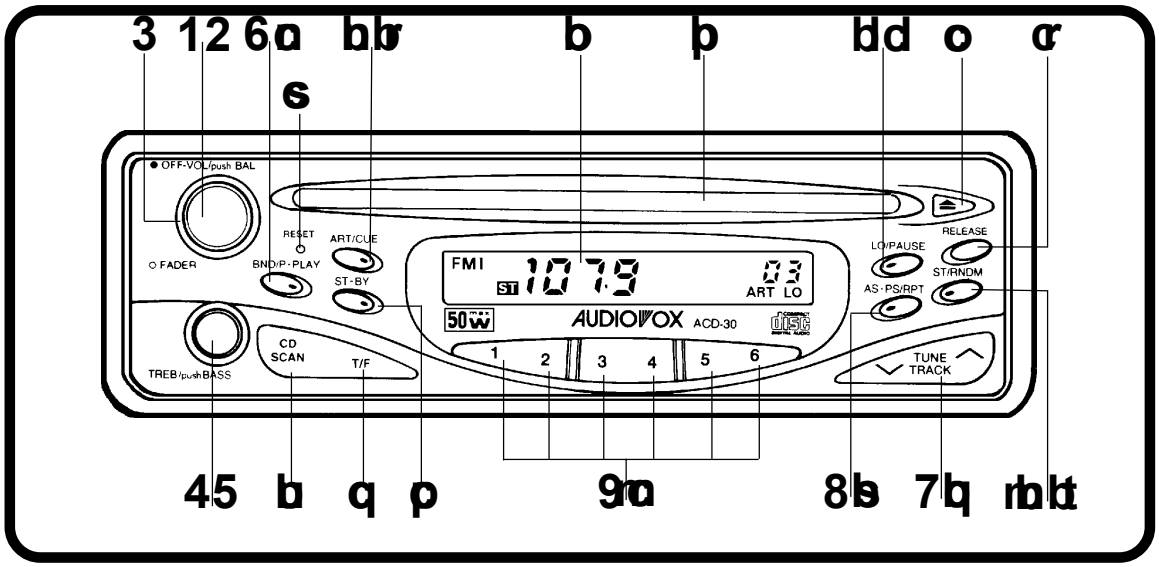

RCA JACKS
FOR USE WITH OPTIONAL EXTERNAL AMPLIFIERS
RED = RIGHT CHANNEL
WHITE = LEFT CHANNEL
RADIO
MATING 14 PIN SOCKET
14 PIN PLUG
SEE PAGE 8 FOR RADIO WIRING (PINK, BLACK w/WHITE, ORANGE w/WHITE AND GREEN w/WHITE)
DRIVER'S SIDE (LEFT) SPEAKER
PASSENGER'S SIDE (RIGHT) SPEAKER
GREY w/WHITE STRIPE
GREY w/BLUE STRIPE
GREY
GREY
GREY
GREY
GREY w/RED STRIPE
GREY w/YELLOW STRIPE
SPLICE WIRES AS SHOWN. CAREFULLY INSULATE SPLICES WITH ELECTRICAL TAPE OR WIRE NUTS.
SPLICE WIRES AS SHOWN. CAREFULLY INSULATE SPLICES WITH ELECTRICAL TAPE OR WIRE NUTS.

HELP!

1-800-645-7102

Monday-Friday 8:30am - 7:00pm Eastern
Saturday 9:00am - 5:00pm Eastern

OPERATING INSTRUCTIONS



1 ON-OFF SWITCH/VOLUME CONTROL

Rotate this knob clockwise to turn the radio on. Continue rotation until the desired volume level is obtained. Rotate the knob fully counter-clockwise to turn the unit off.

2 LEFT / RIGHT BALANCE CONTROL (PUSH)

Push this knob inward and rotate it to the left or right to obtain the desired balance between left and right speakers. A detent click can be felt at the center of rotation. The knob will automatically return to the outer position (volume control) when released.

3 FRONT/REAR FADER CONTROL

Rotate this knob to the left or right to fade the sound between the front and rear speakers in 4 speaker installations. A detent click can be felt at the center of rotation. When used in conjunction with the Left/Right Balance Control 2 , you have full 4-way stereo balance capability. In 2 speaker installations, rotating the Fader Control will have no effect on the speaker output.

4 TREBLE CONTROL

Rotate this knob clockwise to increase treble response, counter-clockwise to decrease treble response. A detent click can be felt at the center of rotation (flat setting).

5 BASS CONTROL

Push this knob inward and rotate it clockwise to increase bass response, counter-clockwise to decrease bass response. A detent click can be felt at the center of rotation (flat setting). The knob will automatically return to the outer position (treble control) when released.

6 FM/AM BAND SELECTOR

Each time this button is pressed, the radio band is changed. The indication AM, FMI, or FMII will appear on the display panel according to your selection.

7 MANUAL UP/DOWN TUNING (∧ /∨) AUTOMATIC SEEK TUNING

Each time the ∧ side of this button is pressed, the radio will tune one frequency step higher. Similarly, each press of the ∨ side of the button will tune one frequency step lower. To manually tune in a station, press the button in the appropriate direction until the desired frequency is reached.

Pressing either side of the button for longer than 0.5 seconds will activate the Automatic Seek Tuning function in the selected direction (as indicated by UP or dO on the display panel). The radio will seek the next available station and stop on that frequency.

8 PRE-SET SCAN TUNING (PS) AUTO-STORE TUNING (AS)

During radio operation, press this button to scan the 6 stations pre-set into the memories of the band in use. The unit will stop at each pre-set station for 5 seconds before continuing to the next pre-set station (the preset number on the display panel will flash during Pre-Set Scan operation). Press the button again to stop the Pre-Set Scan operation and remain on the selected frequency.

Pressing the button for longer than 2 seconds will activate the Auto-Store Tuning, which will automatically scan the band and enter strong stations into the pre-set memory positions for that band (FMI and FMII bands if activated during FMI band use). If you have already set the pre-set memories of that band to your favorite stations, activating the Auto-Store feature will erase those stations and enter the new strong stations. The feature is most useful when travelling in a new area where you are not familiar with the local stations.

9 STATION PRE-SET MEMORIES

To set any of the 6 pre-set memory buttons, use the following procedure:

1. Turn the unit on and select the desired band.
2. Select the first station to be pre-set using the Manual or Seek Tuning functions 7 .
3. Press the pre-set button in until the number of that pre-set button appears on the display panel. The station is now set into the memory of that pre-set button and can be re-called by pressing the button momentarily.
4. Repeat the above procedure for the remaining 5 pre-sets on the band in use and for the other 2 bands of the unit.

bl LOCAL/DISTANT SELECTOR (LO)

During radio operation, this button is used to select the stop sensitivity in the Automatic Seek tuning mode. For the Local mode, press the button so that the LO indication appears on the display panel. In this mode, the radio will only stop on strong local stations during Automatic Seek operation. Press the button again to select the Distant mode (LO will disappear from the display panel), allowing the unit to stop on a wider range of stations, including weaker distant ones.

bm FM MONO/STEREO SELECTOR (ST)

During FM radio operation, this button is used to select mono or stereo reception of the broadcast signal. Under normal reception conditions, the unit should be left in the stereo mode, indicated by ST on the display panel when a stereo signal is being received. If the stereo signal is too noisy for comfortable listening, press the Mono/Stereo selector button bm to switch to mono reception.

bn AUTO-RADIO TUNING (ART)

By pressing this button and activating this function (indicated by ART on the display panel), the radio will automatically tune to a strong listenable station if the station it is tuned to becomes too weak and noisy for clear reception. This feature is most useful when traveling in fringe reception areas.

bo LIQUID CRYSTAL DISPLAY PANEL

The Liquid Crystal Display (LCD) panel displays the frequency, time and activated functions.

NOTE: It is a characteristic of LCD panels that, if subjected to cold temperatures for an extended period of time, they will take longer to illuminate than under normal conditions and the visibility of the numbers on the display may decrease. The LCD read-out will return to normal when the temperature increases to a normal range.

bp DISC SLOT

With the label surface facing up, gently insert the disc into the disc slot until the soft-loading mechanism engages and disc play begins. The disc-in indication , play arrow , track number and elapsed time will appear on the display panel.

NOTE: This unit is designed for play of standard 5" (12cm) Compact Discs ONLY. Do not attempt to use 3" (8cm) CD-Single discs in this unit, either with or without an adaptor, as damage to the player and/or disc can occur. Such damage will not be covered by the Warranty on this product.

bq TRACK SEARCH (∧ ∨)

The Track Search function is used to quickly access the beginning of a particular track. Each time the Forward Track Search (∧) side of the button is pressed, the next higher track number will be selected as shown on the display panel. Each time the Backward Track Search (∨) side of the button is pressed, the next lower track number will be selected as shown on the display panel.

br CUE FUNCTION

High-speed audible search to any section of the disc can be made by the Cue function. Press and hold the Cue button br to advance quickly to the desired section. Normal play will resume when the button is released.

bs REPEAT PLAY SELECTOR (RPT)

During disc play, press this button to repeat the play of the selected track (RPT will appear on the display panel). Play of the track will continue to repeat until the button is pressed again and the RPT indication disappears from the display panel.

bt RANDOM PLAY SELECTOR (RNDM)

During disc play, press this button to play the tracks on the disc in a random shuffled order (RNDM will appear on the display panel). The Forward Track Search bq function will also select tracks in the random order instead of the normal progression. The Random Play mode can be cancelled by pressing the button bt again or activating Repeat Play bs or CD Scan bu functions.

bu CD SCAN

During disc play, press this button to play the first 10 seconds of each track on the disc (the track number will flash on the display panel). When a desired track is reached, press the CD Scan button bu again to cancel the function and play of the selected track will continue. CD Scan mode will also be cancelled by activating any other CD function selector.

cl PAUSE SELECTOR

During disc play, press this button to temporarily stop play of the disc (the play arrow ➡ on the display panel will disappear). Press the button again to resume play of the disc from the point at which it was stopped.

cm PROGRAM MEMORY SELECTION

Up to 6 tracks can be programmed to be played in your selected order on this unit. The following procedure is used to program the order of track play:

1. Insert the disc into the unit to begin disc play.
2. Use the Track Search function bq to select the track to be programmed to play first. When the track number appears on the display panel, press the #1 Program Memory button cm for approximately 2 seconds until the track number stops flashing.
3. In a similar manner to programming the first selection, use the Track Search function bq to select the track to be programmed to play second and press the #2 Program Memory button cm .
4. Continue the above procedure until all the desired tracks (up to 6) have been set into Program Memory buttons #1 through #6.

cn PROGRAMMED PLAY (P-PLAY)

After completing the programming procedure, play of the tracks in programmed order can be started by pressing the Programmed Play button cn . The P indication will appear on the display panel and the first programmed track will begin play. To stop Programmed Play and return to playing the disc in normal order, press the Programmed Play button cn again so that the P disappears from the display panel.

NOTE: Programmed Play memory will be automatically cleared when the disc is ejected and removed from the unit or when the Re-Set button cs is pressed.

co DISC EJECT ⏏)

Disc play is stopped, the disc is ejected and the unit will change to radio operation by pressing this button. If the disc is not removed from the unit and the button is pressed again, the disc will be re-loaded and begin playing.

cp DISC STANDBY SELECTOR (ST-BY)

During disc play, pressing this button will stop play of the disc and switch to radio operation without ejecting the disc. During this time, the disc-in indication ● will remain on the display panel to show that a disc is still loaded in the unit and the ST-BY indication will flash to show the unit is in the Standby mode. Press the Standby button cr again to return to disc play from the beginning of the track in play at the time Standby mode was activated.

cq TIME/FREQUENCY DISPLAY SELECTOR (T/F)

During radio or CD play, press this button to call the time display on the incorporated quartz clock. The display will automatically return to radio frequency or disc track/elapsed time after 5 seconds.

cr FRONT PANEL RELEASE BUTTON

This button is used to release the mechanism that holds the front panel to the chassis. To detach the front panel, press the button so that the right side of the panel is released. Grasp the right side of the panel and pull it off of the chassis. To re-attach the panel, slide the left side of the panel into the opening on the left side of the chassis and then press the right side of the panel into place until the latching mechanism engages.

NOTES ON USE OF FRONT PANEL

1. Make sure the front panel is right-side-up when attaching the panel to the chassis as it cannot be attached when upside-down.
2. Do not press very hard on the panel to engage the mechanism when attaching the panel. No more than light to moderate pressure should be needed.
3. When detaching the panel, be sure to pull it off from the right side, and not straight toward you. Similarly, when attaching the panel, make sure the left side is engaged before pressing the right side to lock it into position. Do not attempt to engage to right side first or push the panel straight on.
4. When taking the panel with you, please use the supplied carrying case to protect it from dirt and damage.

CS RE-SET BUTTON

A Re-Set button is located on the front of the chassis which must be activated by a pen tip or other thin object as it is recessed to prevent accidental engagement. The re-set circuitry is provided to protect the microprocessor circuitry and should only be activated under the following circumstances as it will erase the time and programmed memories.

1. Upon initial installation after all wiring is completed.
2. After the position of the frequency step switch on the bottom of the chassis has been changed.
3. If there is a malfunction of any of the switches on the unit or of the CD player, pressing the Re-set button may clear the system and return to normal operation.

SETTING THE CLOCK

1. Turn the radio on so that the frequency is shown on the display panel.
2. Press and hold the Time/Frequency Display Selector CQ so that the time indication is shown on the display panel.
3. While continuing to hold the Time/Frequency Display Selector CQ , press the #1 Memory button 9 to adjust the hours and the #2 Memory button 9 to adjust the minutes to the correct time.
5. When the correct time is shown on the display panel, release the Time/Frequency Display selector CQ .

FREQUENCY STEP SWITCH

This unit is supplied pre-set at the factory for reception of North American radio stations (10 KHz. channel spacing on AM/200 KHz. spacing on FM). Use in other areas of the world may require different channel spacing. A switch on the bottom of the chassis allows selection of 9 KHz. AM/100 KHz. FM channel spacing. Slide the switch to the appropriate position using a small screwdriver blade. The Re-Set button CS on the front of the chassis must then be pressed to activate the change of channel spacing.

SPECIFICATIONS

Size:	7" W x 2" H x 6-1/4" D 179 mm x 51 mm x 159 mm
Operating Voltage:	12 volts DC, negative ground
Output Power:	50 watts maximum (25 watts per channel)
Output Wiring:	Floating-ground type designed for 4 speaker use. May also be used with 2 speakers. RCA low-level outputs.
Output Impedance:	Compatible with 4-8 ohm speakers.
Low-Level Output:	500 mv.
Tuning Range:	AM: 530-1,720 KHz. (10 KHz. step) 531-1,620 KHz. (9 KHz. step) FM: 87.5-107.9 MHz. (200 KHz. step) 87.5-108.0 MHz. (100 KHz. step)
Sensitivity:	AM: 20 uv. FM: 1.5 uv.
FM Stereo Separation:	30 dB
CD Frequency Response:	20-20,000 Hz. ± 2dB
CD Signal/Noise Ratio:	>70 dB
CD Channel Separation:	>60 dB
CD Dynamic Range:	>80 dB
CD Distortion:	<0.1% T.H.D.

*Specifications are subject to change without notice.

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	CHECK FOLLOWING
Unit completely inoperative no lights, no sound	Incorrect power connection	Orange/White stripe wire to +12V ACC. and Green/White stripe wire to +12V battery
	Blown fuse	Check fuses in wires listed above and check car fuse block
Unit will not keep time or radio station memory	Incorrect power connection	Green/White stripe wire is not connected to a "live" +12V battery source
	Blown fuse	Check fuse in Green/White stripe wire and at car's fuse block
Noise on both radio and CD	Poor ground	Check Black/White stripe wire for proper grounding
	Dirty or corroded battery posts	Clean and tighten connection
	If problem also existed with previous radio you removed	Consult your local garage mechanic-car may need tune-up or noise filter
Noise on radio only	Antenna	Check that antenna base is grounded. Test with antenna disconnected. If noise goes away, replace antenna
Poor FM reception and almost no AM reception	Antenna	Replace antenna and antenna cable
No sound on one speaker (both radio and CD)	Wiring	Check speaker wiring
	Speaker	Test with good speaker
	Control Settings	Check balance and fader controls
Poor sound-new unit	Speakers or speaker wiring	Check rating of speakers for sufficient power capacity
		Check that speakers are in good condition
		Check that none of the speaker wires are grounded
		Check speaker wiring
CD sound skips	Installation angle is greater than 20°	Adjust the mounting angle to less than 20°
	Disc player is not installed correctly	Make sure disc player is mounted securely
	Dirty, scratched, or defective disc	Clean disc if dirty; replace if badly scratched or defective
	Condensation on laser lens	Allow condensation to dry, then try again

CARE AND MAINTENANCE

The radio section of your new sound system does not require any maintenance. We recommend you keep this manual for reference on the many features found in this unit as well as how to set the clock. The compact disc player section also requires no routine maintenance, but proper understanding of its use and handling will help you obtain maximum enjoyment of its capabilities. The following points should be observed:

When cleaning the interior of the vehicle, do not get water or cleaning fluids on the unit.
The CD player is a precision instrument and will not operate properly in extreme hot or cold. In case of such conditions, wait until the interior temperature of the vehicle reaches a normal temperature before using the player.
If the temperature inside the player gets too hot, a protective circuit will automatically stop play of the disc. In this case, allow the unit to cool off before operating the player again.
Never insert anything other than a 5" (12 cm) compact disc into the player as the mechanism can be damaged by foreign objects.
Do not attempt to use 3" (8 cm) CD-Single discs in this unit, either with or without an adaptor, as damage to the player and/or disc may occur. Such damage will not be covered by the Warranty on this product.
When not using the disc player, always remove the compact disc. Do not leave an ejected disc sitting in the disc slot as this can expose it to sunlight and other causes of damage.
Do not attempt to open the unit chassis. There are no user serviceable parts or adjustments inside.
When the vehicle warms up during cold weather or under damp conditions, moisture may condense on the lens of the disc player. Should this occur, the player will not operate properly until the moisture has evaporated.
The unit is designed with a vibration dampening CD mechanism to minimize interruption of disc play due to normal vibration in a moving vehicle. When driving on very rough roads, however, occasional sound skips may occur. This will not scratch or damage the disc and normal play will resume when the rough conditions cease.

HANDLING COMPACT DISCS

Dirt, dust, scratches, and warpage can cause skips in the playback and deterioration of sound quality. Please follow these guidelines to take care of your compact discs:

Use only compact discs with the COMPACT disc DIGITAL AUDIO mark.
Fingerprints, dust, and dirt should be carefully wiped off the discs playing surface (shiny side) with a soft cloth.
Wipe in a straight motion from the inside to the outside of the disc.
Never use chemicals such as record sprays, household cleaners or thinner to clean compact discs. Such chemicals can irreparably damage the discs surface.
Discs should be kept in their storage cases when not in use.
Do not expose discs to direct sunlight, high temperatures or high humidity for extended periods.
Do not stick paper, tape, or labels on the disc surfaces nor write on them with any type of marker.

12 MONTH LIMITED WARRANTY

Applies to In-dash radios, radio/tape player and radio/CD player combinations, and CD Changers.

AUDIOVOX CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to an approved warranty station. For the location of the nearest warranty station to you, call toll-free to our control office:

IN U.S.A. 1-800-243-1311
IN CANADA 1-800-645-4994

This Warranty does not extend to the elimination of car static or motor noise, to correction of antenna problems, to costs incurred for installation, removal, or reinstallation of the product, or damage to tapes, compact discs, speakers, accessories, or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 30 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Form No. 128-4123D

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Form No. 128-4572B